

**ELECTRONIC CONTROL SYSTEM FOR TORQUE DISTRIBUTION IN  
HYBRID VEHICLES**

**Abstract of the Disclosure**

An electronic torque control and distribution system is provided for a hybrid propulsion vehicle. The drive thrust of the hybrid propulsion vehicle is distributed between an electric engine and an internal combustion engine through a transmission system. The transmission system delivers the torque of both engines to the vehicle wheels. The electronic torque control and distribution system is slaved to a control unit, and includes a controller for incorporating a fuzzy logic processor to predict through soft computing techniques the torque contributions of the electric engine and of the internal combustion engine. A sensor estimates the vehicle polluting emissions. The controller and the sensor are both connected to the control unit.